

CHRIS SCHMIDT

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PROFESSIONAL SUMMARY

Machine Learning Engineer dedicated to modernizing federal technology and advancing AI implementation across defense and government agencies. Currently supporting critical DoD data modernization initiatives with active security clearance. Master's degree in Applied Mathematics; pursuing MS in AI Engineering at Johns Hopkins University. Combines deep technical expertise in Python, AWS GovCloud, and ML/AI systems with proven leadership experience and understanding of government operations. Passionate about leveraging emerging technologies—including LLMs, generative AI, and modern data architectures—to solve complex civic and defense challenges at scale.

TECHNICAL SKILLS

Programming Languages: Python, SQL, R, SAS

Cloud Platforms: AWS GovCloud (Glue, S3, Athena, Lambda), Azure, Databricks

Data & Analytics: ETL/ELT Pipelines, Data Ingestion, EDA, PowerBI, Qlik Sense, Advana

Machine Learning: PyTorch, TensorFlow, Scikit-learn, MLOps, BERT, NLP, OCR, Deep Learning

AI/GenAI Tools: LLMs, LangChain, RAG Architectures, Prompt Engineering

DevOps & Containers: Docker, Kubernetes, Git, GitLab, CI/CD

Tools & Collaboration: Linux/Bash, Jira, Confluence, SharePoint

KEY GOVERNMENT PROJECTS

F-35 Data Modernization (DoD/JPO): Leading analytics work to achieve audit-worthy data architectures for the Joint Program Office, developing Python-based analysis tools and executive dashboards.

FORTIS AI Program (DoD): Developed data processing pipelines and integrated BERT-based NLP models to enhance AI capabilities for defense applications.

Advana Platform Analytics (DoD): Conducted enterprise-scale data quality analysis using Databricks and Qlik Sense, collaborating with MILDEP and IA stakeholders.

Center for Program Integrity (CMS): Performed big data analytics for fraud detection and program integrity using SAS and Python.

CERTIFICATIONS

- AWS Solutions Architect Associate
- DeepLearning.AI Data Engineering Professional Certificate
- IBM Generative AI Engineering Certificate
- IBM AI Engineering Professional Certificate
- Deep Learning Specialization Certificate

SECURITY CLEARANCE

Active Security Clearance (Details available upon request)

PROFESSIONAL EXPERIENCE

MISSION TECHNOLOGIES, A DIVISION OF HII

Arlington, Virginia (Remote)

Machine Learning Engineer | October 2024 - Present

- Lead analytics for F-35 data modernization initiative (JPO), developing Python-based tools and PowerBI dashboards
- Perform enterprise-scale data architecture analysis to facilitate DoD audit-readiness transformations
- Develop Python scripts for data analysis, generating actionable recommendations for stakeholders
- Leverage Amazon GovCloud stack for secure, compliant data processing and storage

Software Engineer | May 2022 - October 2024

- Led data analysis and quality initiatives for DSCA/DoD modernization, collaborating with MILDEP and IA SMEs to align strategic goals
- Conducted exploratory data analysis (EDA) and built visualizations using Databricks and Qlik Sense within the Advana platform
- Developed data pipelines for FORTIS AI program using Python and SQL, enhancing operational efficiency
- Created Python tools for complex EDA incorporating OCR, language translation, and geospatial analysis

Data Engineer, Associate | July 2021 - May 2022

- Developed custom data pipelines using AWS GovCloud services (Glue, S3, Athena, Lambda) for ETL/ELT operations
- Integrated BERT-based NLP models for FORTIS AI project, enhancing language processing capabilities
- Conducted cost optimization analysis, reducing operational expenses
- Authored technical documentation and maintained security compliance requirements

CENTERS FOR MEDICARE & MEDICAID SERVICES (CMS)

Baltimore, Maryland

Data Scientist / Operations Research Analyst Intern | May 2020 - August 2020

- Performed analytical work in the Center for Program Integrity supporting fraud detection initiatives
- Engaged with big data analytics utilizing SAS and Python for program analysis and reporting

SUBCOM

Baltimore, Maryland

Data Analytics Intern | June 2019 - August 2019

- Consolidated and analyzed project data from transoceanic cable installation projects
- Built predictive analytics models to optimize project performance and forecasting

PRIOR PROFESSIONAL BACKGROUND

Prior career demonstrating leadership and analytical expertise: Business Owner (construction firm), Institutional Finance (Wachovia Securities, Series 7/63), Technical Writing (medical/scientific publications), Mortgage Banking (credit analysis).

EDUCATION

Johns Hopkins Whiting School of Engineering

Master of Engineering (MEng), Artificial Intelligence | Expected December 2028

Towson University

Master of Science, Applied Mathematics (Concentration: Applied Statistics)

Bachelor of Science, Applied Mathematics

Bachelor of Science, Political Science and History

LEADERSHIP

18+ years collegiate head coaching (Loyola University Maryland, Towson University) - team development, strategy, mentorship